

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 03/04085

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60N2/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B60N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 198 28 217 A (BERTRAND FAURE SITZTECHNIK GMBH & CO. KG) 1 July 1999 (1999-07-01) abstract column 1, line 14 - line 37 column 3, line 7 - line 29; claims 1-9; figures 1-12 ---	1-8, 14-17, 19
A	DE 196 49 587 A (HS TECHNIK UND DESIGN TECHNISCHE ENTWICKLUNGEN GMBH) 4 June 1998 (1998-06-04) abstract column 1, line 3 - line 42; figures 1-5 ---	1, 8, 14
A	DE 40 34 558 A (TACHI-S CO., LTD.) 7 May 1992 (1992-05-07) abstract claims 1,5,7; figures 1-5 ---	1, 4, 8-14, 20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *&* document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
2 June 2003	11/06/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Cuny, J-M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 253 138 A (GEORGES DROULON ET AL.) 12 October 1993 (1993-10-12) abstract column 2, line 18 - line 33; figure 1 ----	1,4,5,8, 10,11, 14,18
A	US 5 636 898 A (RICHARD W. DIXON ET AL.) 10 June 1997 (1997-06-10) abstract; figures 1-7 ----	1-3,8,9, 14,17

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PCT/US 03/04085

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 19828217	A	01-07-1999	DE US	19828217 A1 6030043 A	01-07-1999 29-02-2000	
DE 19649587	A	04-06-1998	DE	19649587 A1	04-06-1998	
DE 4034558	A	07-05-1992	JP DE FR	3112385 A 4034558 A1 2668617 A1	13-05-1991 07-05-1992 30-04-1992	
US 5253138	A	12-10-1993	FR AT DE DE EP ES JP	2649503 A1 84888 T 69000800 D1 69000800 T2 0407281 A1 2040079 T3 3045192 A	11-01-1991 15-02-1993 04-03-1993 19-08-1993 09-01-1991 01-10-1993 26-02-1991	
US 5636898	A	10-06-1997	NONE			